



Water-Data Report NV-2005

10245445 ILLIPAH CREEK NEAR HAMILTON, NV

CENTRAL NEVADA DESERT BASINS, LONG-RUBY VALLEYS

LOCATION.--Lat 39°19'03.95", long 115°23'42.21" referenced to North American Datum of 1983, in NE ¼ NW ¼ sec.25, T.16 N., R.58 E., White Pine County, Hydrologic Unit 16060007, in Humboldt National Forest, on left bank, 4.5 mi southwest of Illipah, 6.7 mi northeast of Hamilton, and 28 mi northwest of Ely.

DRAINAGE AREA.--31.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Jun 1983 to Sep 1987, Jan 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,840 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Dec 13, 1983 at present site, at datum 1.0 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 446 ft³/s, Aug 22, 1984, gage height, 6.05 ft, Maximum gage height 6.82 ft, Aug 9, 2005; minimum daily, 0.3 ft³/s, Nov 17, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 300 ft³/s, Aug 9, gage height, 6.86 ft; minimum daily discharge, e1.1 ft³/s, Nov 23, 24.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.8	1.9	e1.2	1.3	1.4	1.6	1.9	12	5.9	5.7	6.3	7.5
2	1.8	2.1	e1.2	e1.4	e1.6	1.6	1.9	9.7	5.8	5.7	6.4	7.5
3	1.9	1.9	e1.2	e1.4	e1.6	1.7	2.0	8.8	5.7	5.8	6.1	7.4
4	1.8	1.8	e1.2	e1.4	e1.6	1.6	2.1	7.7	5.5	5.8	6.1	7.4
5	1.8	1.9	e1.2	e1.3	1.4	1.7	2.0	8.8	5.4	5.8	6.2	7.4
6	1.8	1.8	e1.2	e1.3	1.3	1.6	2.1	9.4	5.7	5.8	6.1	7.5
7	1.8	1.8	e1.2	e1.3	e1.3	1.7	3.5	7.0	5.3	5.8	6.4	7.4
8	1.8	1.8	e1.2	e1.4	e1.4	1.8	3.5	6.5	5.3	5.7	6.2	7.3
9	1.8	1.8	e1.2	e2.0	1.4	1.7	2.3	7.0	5.3	5.7	31	7.2
10	1.8	1.7	e1.2	e2.8	e1.4	1.8	2.0	8.1	5.3	5.7	8.0	7.3
11	1.8	1.8	e1.2	e2.0	1.4	1.8	2.0	10	5.3	5.7	7.8	7.4
12	1.8	1.8	e1.2	1.2	1.6	1.9	3.0	15	5.2	5.6	7.7	7.3
13	1.8	1.8	e1.2	e1.3	1.4	2.1	6.0	16	5.1	5.5	7.7	7.3
14	1.8	1.8	e1.2	e1.4	1.7	1.8	4.4	9.9	5.2	5.5	7.6	7.3
15	1.7	1.8	e1.2	e1.5	1.5	1.8	2.9	7.6	5.1	5.5	7.9	7.3
16	1.7	1.8	e1.2	e1.5	1.5	1.7	5.0	10	5.2	5.6	8.0	7.2
17	1.8	1.8	e1.2	1.4	1.5	1.7	7.2	15	5.2	5.7	7.7	7.2
18	1.9	1.8	e1.2	1.4	1.5	1.7	6.3	11	5.3	5.9	7.6	7.1
19	1.9	1.7	e1.3	1.4	1.6	1.7	2.7	15	5.2	5.9	e7.5	7.1
20	2.0	e1.4	e1.3	1.4	1.6	1.8	2.6	19	5.2	6.0	e7.5	7.2
21	1.8	e1.3	e1.3	1.4	1.5	1.7	2.8	15	5.3	6.1	e7.5	7.2
22	1.8	e1.2	e1.4	1.4	1.5	1.7	6.2	12	5.4	6.1	e7.6	6.9
23	1.8	e1.1	e1.4	1.4	1.5	1.9	11	11	5.4	6.1	e7.6	6.8
24	1.8	e1.1	e1.4	1.5	1.5	1.8	12	9.5	5.3	6.4	e7.6	6.8
25	1.8	e1.2	e1.4	1.5	1.5	1.8	9.8	8.6	5.4	6.1	e7.6	6.8
26	1.8	e1.2	e1.3	1.6	1.5	1.8	9.3	8.5	5.5	6.2	7.6	6.7
27	1.9	e1.2	e1.3	1.5	1.6	1.8	9.8	7.8	5.5	6.3	7.4	6.8
28	1.8	e1.2	e1.2	1.4	1.6	2.0	8.2	8.0	5.6	6.1	7.4	6.7
29	1.8	e1.2	e1.3	1.4	---	2.0	6.2	7.1	5.7	6.1	7.3	6.7
30	1.8	e1.2	e1.3	1.4	---	2.3	7.0	6.7	5.7	6.1	7.3	6.6
31	1.8	---	e1.3	e1.6	---	2.0	---	6.2	---	6.1	7.4	---
Total	56.2	47.9	38.8	46.2	41.9	55.6	147.7	313.9	162.0	182.1	248.1	214.3
Mean	1.81	1.60	1.25	1.49	1.50	1.79	4.92	10.1	5.40	5.87	8.00	7.14
Max	2.0	2.1	1.4	2.8	1.7	2.3	12	19	5.9	6.4	31	7.5
Min	1.7	1.1	1.2	1.2	1.3	1.6	1.9	6.2	5.1	5.5	6.1	6.6
Ac-ft	111	95	77	92	83	110	293	623	321	361	492	425

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.06	2.77	2.65	2.46	2.46	2.60	2.87	3.32	3.35	3.38	3.63	3.58
Max	7.70	6.12	8.25	8.13	8.61	7.59	8.28	10.1	9.40	9.36	9.59	8.38
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(2005)	(1983)	(1983)	(1984)	(1983)
Min	0.79	0.60	0.30	0.39	0.41	0.67	0.69	0.60	0.63	0.48	0.51	0.63
(WY)	(1993)	(1992)	(1991)	(1993)	(1993)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1991)

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	Calendar Year 2004		Water Year 2005		Water Years 1983 - 2005	
Annual total	557.2		1,554.7			
Annual mean	1.52		4.26		3.07	
Highest annual mean					8.11	1984
Lowest annual mean					0.58	1992
Highest daily mean	2.1	Nov 2	31	Aug 9	46	Aug 22, 1984
Lowest daily mean	1.1	Feb 11	1.1	Nov 23	0.03	Nov 17, 1994
Annual seven-day minimum	1.2	Feb 6	1.2	Nov 22	0.15	Dec 20, 1990
Maximum peak flow			300	Aug 9	446	Aug 22, 1984
Maximum peak stage			6.86	Aug 9	6.86	Aug 9, 2005
Annual runoff (ac-ft)	1,110		3,080		2,220	
10 percent exceeds	1.8		7.7		7.1	
50 percent exceeds	1.6		2.0		1.8	
90 percent exceeds	1.2		1.3		0.57	